

1 Attorney Docket No. 76306

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3 STRENGTH STRAND CONSTRUCTION FOR A
4 LONGITUDINAL SECTION OF A CABLE

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6 ABSTRACT OF THE DISCLOSURE

7 An assembly including a span of microwave signals flexible
8 coaxial line, or other form energy transmission media, is
9 provided with generally coextensive, non-metallic longitudinal
10 strength strands to render greater tensile strength to the
11 assembly. Marginal axial end sections of a coaxial cable span
12 are potted in respective polyurethane grip foundation having
13 longitudinal grooves. The grip foundations are inserted into an
14 open-mesh-sleeve type cable-end grip device. The strength
15 strands are seated in the grooves and interlaced in and out of
16 the openings in the open-mesh-sleeves of the grip devices. Co-
17 adjacent marginal end portions of the strength strands are
18 bundled beyond the interlacing, and knotted to the open-mesh-
19 sleeves of the grip devices. In forming the knots the bundled
20 marginal end portions of the strength strands are entwined and
21 bound together and with a pair of the crossing strands of the
22 open-mesh-sleeve.